

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	"7310171"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/03/10 09:24
S2	4530	(image reader)and apparatus	US-PGPUB; USPAT	ADJ	ON	2007/06/25 09:56
S4	38	(image reader apparatus)and (Optical)	US-PGPUB; USPAT	ADJ	ON	2007/07/03 08:50
S5	2	(358/496)and(image reader apparatus)and (Optical)	US-PGPUB; USPAT	ADJ	ON	2007/07/05 11:03
S6	25	(Murakami Ayumu).in.	US-PGPUB; USPAT	ADJ	ON	2007/07/11 09:52
S7	2	(358/496)and(image reader apparatus)and (Optical)and py<="2002"	US-PGPUB; USPAT	ADJ	ON	2007/07/10 08:31
S8	2	(358/496)and(image reader apparatus)and (Optical)and ad>"20021001"	US-PGPUB; USPAT	ADJ	ON	2007/07/03 08:55
S9	2	(358/496)and(image reader apparatus)and (Optical)and py<"2002"	US-PGPUB; USPAT	ADJ	ON	2007/07/03 08:56
S11	2	(358/496 and py<"2002")and (Image reader apparatus)and (Optical)	US-PGPUB; USPAT	ADJ	ON	2007/07/03 09:12
S12	2	(358/496 and ay>="2002")and (Image reader apparatus)and (Optical)	US-PGPUB; USPAT	ADJ	ON	2007/07/03 10:37
S13	3	(399/221 and ay>="2002")and (Image reader apparatus)and (Optical)	US-PGPUB; USPAT	ADJ	ON	2007/07/03 10:38
S15	1	(358/496)and(image reader apparatus)and (Sliding member)	US-PGPUB; USPAT	ADJ	ON	2007/07/05 11:29
S22	2	(358/496)and(image reader apparatus)and (Optical)	US-PGPUB; USPAT	ADJ	ON	2007/07/05 11:34
S23	2	(358/496)and(image reader apparatus)and (light)	US-PGPUB; USPAT	ADJ	ON	2007/07/05 11:42
S24	2	(358/496)and(image reader apparatus)and (Optical system)	US-PGPUB; USPAT	ADJ	ON	2007/07/11 15:11
S25	1	(358/496)and(image reader apparatus)and (guide rail)	US-PGPUB; USPAT	ADJ	ON	2007/07/05 12:31
S26	1	(Murakami Ayumu).in. and (guide member)	US-PGPUB; USPAT	ADJ	ON	2007/07/05 11:57

S27	2	(358/474)and(image reader apparatus)and (guide rail)	US-PGPUB; USPAT	ADJ	ON	2007/07/05 12:40
S29	3	(358/474)and(image reader apparatus)and (guide)	US-PGPUB; USPAT	ADJ	ON	2007/07/05 13:13
S30	1	(358/474)and(image reader apparatus)and (Sliding member)	US-PGPUB; USPAT	ADJ	ON	2007/07/09 11:08
S31	3	(358/474)and(image reader apparatus)and (guide)	US-PGPUB; USPAT	ADJ	ON	2007/07/09 11:26
S35	8	(358/496)and(Optical)and (Sliding member)	US-PGPUB; USPAT	ADJ	ON	2007/07/09 12:47
S36	0	(358/497)and(image reader apparatus) and (Optical) and (sliding member)	US-PGPUB; USPAT	ADJ	ON	2007/07/05 16:33
S39	0	(image reader apparatus) and (Optical) (slidingadjmember)	US-PGPUB; USPAT	ADJ	ON	2007/07/05 16:35
S40	4	(358/474)and(image reader apparatus)and (adjust\$4)	US-PGPUB; USPAT	ADJ	ON	2007/07/05 17:07
S42	1	(358/474)and(image reader apparatus)and (adjust\$4 same (sliding or member))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/05 17:10
S43	880	(Scanner near image)and (adjust\$4 same (sliding or member))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/05 17:15
S44	37	(Scanner near image)same (adjust\$4 same (sliding or member))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/06 07:11
S45	18	(Scanner near image)same (adjust\$4 near\$5 (sliding or member or shaft))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/06 06:30
S46	10	(Scanner near image)same (Screw\$4 same (sliding or member))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/06 08:31
S47	7	(Scanner near image)same (Plastic\$4 same (sliding or member))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/06 10:57
S48	19	(Miyachi-Yasunori) in.	US-PGPUB; USPAT	ADJ	ON	2007/07/06 09:33

S49	0	(Scanner near image)same (Plastic\$4 with (deform\$4) same (sliding or member))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/06 10:59
S50	0	(Scanner near image)same (Plastic\$4 same (deform\$4) same (sliding or member))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/06 11:00
S51	129	(Scanner near image)same ((Screw or portion) same (sliding or member))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/06 15:25
S52	1	(Scanner near image)same ((Screw and portion) same (sliding or member))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/06 11:01
S53	53426	((Image reader apparatus)and (Optical system)or(adjust\$4 with lens))	US-PGPUB; USPAT	ADJ	ON	2007/07/06 11:20
S54	0	((Image reader apparatus)and (Optical system) (adjust\$4 with lens))	US-PGPUB; USPAT	ADJ	ON	2007/07/06 11:20
S55	0	((Image reader apparatus)and (Optical system)adj(adjust\$4 with lens))	US-PGPUB; USPAT	ADJ	ON	2007/07/06 11:21
S56	3	((Image reader apparatus)and (Optical system)and(adjust\$4 with lens))	US-PGPUB; USPAT	ADJ	ON	2007/07/06 11:21
S57	0	(Scanner near image)same (((Screw or portion)same (rotating tool)) same (sliding or member))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/06 15:27
S58	129	(Scanner near image)same (((Screw or portion)or(rotating tool)) same (sliding or member))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/06 15:28
S59	129	(Scanner near image)same (((Screw or portion)or(rotating tool)and (engag\$4)) same (sliding or member))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/06 15:31
S60	1	(Scanner near image)same (((Screw and portion)or (rotating tool)and (engag\$4)) same (sliding or member))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/09 09:29

S61	0	(Scanner near image)same (((rotating tool)and (engag\$4)) same (sliding or member))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/06 15:41
S62	1	(250/239)and((image document)or(original manuscript))and(read\$3 scan \$3)	US-PGPUB; USPAT	ADJ	ON	2007/07/09 09:36
S63	2035303	(L18andL2)or(screw\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/09 09:54
S64	2035303	(358/497)and(L18andL2)or (screw\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/09 09:55
S65	148930	(358/474)and(image reader apparatus)and (Sliding member) or(plast\$3 same screw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/09 11:10
S66	1	(358/474)and(image reader apparatus)and (guide)and (contact member)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/09 11:28
S67	2239692	(358/474)and(image reader apparatus)and (guide)or(plast \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/09 11:29
S68	1	(358/474)and(image reader apparatus)and (guide)and(plast \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/09 11:33
S69	2	(358/496)and(Optical)and (Sliding member)and (Plast\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/09 13:13
S70	1510	(358/496)or(250/239)and(Opt \$4)and (Sliding member)and (Plast\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/09 13:17

S71	1	(358/496/494)or(250/239)and (Opt\$4)and (Sliding member) and (Plast\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/30 09:24
S72	284	(S70)and (screw\$4)	US-PGPUB; USPAT	ADJ	ON	2007/07/09 13:19
S73	89	(S70)and (screw\$4)and(Plast \$3)	US-PGPUB; USPAT	ADJ	ON	2007/07/10 07:30
S74	3	(S70)and(Plast\$3)with(screw \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/09 14:18
S75	16	(S70)and(Plast\$3)same(screw \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/09 14:18
S76	1	(S70)and (screw\$4)near(Plast \$3)	US-PGPUB; USPAT	ADJ	ON	2007/07/09 14:37
S77	2	(S70)and (screw\$4)near5(Plast \$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/09 14:38
S78	2	(358/496)and(image reader apparatus)and (Optical)and (py<"2002")	US-PGPUB; USPAT	ADJ	ON	2007/07/09 15:12
S79	1512	(358/496)or(250/239)and(Opt \$4)and (Sliding member)and (Plast\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 07:31
S80	89	(S79)and (screw\$4)and(Plast \$3)	US-PGPUB; USPAT	ADJ	ON	2007/07/10 07:31
S81	54	(S80)AND(MOLD\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 07:35
S82	38	(S80)AND((PLAST\$4)NEAR4 (MOLD\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 07:40

S83	1	((S80)AND((PLAST\$4)NEAR4 (DEFORM\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 07:41
S84	2	((S80)AND((PLAST\$4)SAME (DEFORM\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 07:42
S85	1	(358/496)and(image reader apparatus)and (Optic\$4)and (guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 08:58
S86	2	(358/496)and(image reader apparatus)and (Optic\$4)same (move\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 08:59
S87	2	(358/496)and(image reader apparatus)and (Optic\$4)same (move\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 09:03
S88	1	(358/496)and(image reader apparatus)and (Optic\$4)same ((move\$4)same(Original))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 09:46
S89	8	(image reader apparatus)and (Optic\$4)same((move\$4)same (Original))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 09:08
S90	1	(358/496)and(image reader apparatus)and ((Optic\$4)same (guid\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 10:09
S91	0	(358/496)and(image reader apparatus)and (slid\$4)samescrew \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 10:11

S92	0	(358/496)and(image reader apparatus)and (slid\$4withscrew \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 10:11
S93	0	(358/496)and(image reader apparatus)and (slid\$4)with (screw\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 10:11
S94	1	(358/496)and(image reader apparatus)and (slid\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 11:01
S95	0	(358/496)and(image reader apparatus)and (slid \$4withguide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 11:02
S96	1	(358/496)and(image reader apparatus)and (slid\$4)with (guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 13:25
S97	0	(358/496)and(image reader apparatus)and ((slid\$4)with (guide)with(screw\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 11:10
S98	0	(358/496)and(image reader apparatus)and ((slid\$4) same (guide)same(screw\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 11:11
S99	0	(image reader apparatus)and ((slid\$4)same(guide)same(screw \$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 11:11
S100	0	(358/496)and(image reader apparatus)and ((slid\$4)with (screw\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 11:12

S101	2	(358/496)and(image reader apparatus)and(screw\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 16:49
S102	0	(358/496)and(image reader apparatus)with(guid\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 13:27
S103	22	(358/496)and(image reader)with(guid\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 14:07
S104	0	(358/496)and(image reader)with(guid\$4)with(screw\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 14:08
S105	0	(358/496)and(image reader)with(guid\$4)with(screw\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 14:08
S106	1	(358/496)and(image reader) same(guid\$4)same(screw\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 16:33
S107	2	(358/496)and(image reader) same(guid\$4)same(elimina\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 14:43
S108	75	(358/496)and(image reader) same(cont\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 15:04
S109	3	(358/496)and(image reader) same(plast\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 15:04



S110	0	(358/496)and(image reader) same(guid\$4)same(tipor portion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 16:33
S111	0	(358/496)and(image reader) same(guid\$4)same(tiporend)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 16:34
S112	8909059	(358/496)and(image reader) same(guid\$4)same(tip)or(end)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 16:34
S113	0	(358/496)and(image reader) same(guid\$4)same(tip)and (end)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 16:35
S114	0	(358/496)and(image reader) same(guid\$4)same(tip) same (end)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 16:35
S115	0	(358/496)and(image reader) same(guid\$4)same(tip)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 16:35
S116	10	(image reader)same(guid\$4) same(tip)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 16:35
S117	2	(image reader)same(guid\$4) same(tip)and(end)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 16:36
S118	0	(image reader)same(guid\$4) same(tipnear\$4end)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 16:36

S119	2	(358/496)and(image reader apparatus)and((engag\$4)or (rotat\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/10 16:50
S120	1	((((Murakami Ayumu).in.) and (plastically deformable))	US-PGPUB; USPAT	ADJ	ON	2007/07/11 15:09
S121	0	((((Murakami Ayumu).in.) and (plastically deformable)) (plurality))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/11 15:10
S122	1	((((Murakami Ayumu).in.) and (plastically deformable))and (plurality))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/11 15:10
S123	1	(358/474)and(image reader apparatus)and (adjust\$4 same (sliding or member))	US-PGPUB; USPAT	ADJ	ON	2007/07/11 15:11
S124	1	(358/496)and(image reader apparatus)and (Optical system) and(plurality)	US-PGPUB; USPAT	ADJ	ON	2007/07/11 15:12
S125	1	(358/496)and(image reader apparatus)and (Optical system) and(plura\$4)	US-PGPUB; USPAT	ADJ	ON	2007/07/11 15:13
S126	23	(Image reader apparatus)and (Optical system)and(plura\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/11 15:13
S127	2	("6285441").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/18 09:25
S128	0	("4862218.pn.") .PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/26 12:37
S129	0	("(4862218).pn.") .PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/26 12:38

S130	78	(Tsunoda Arihiro).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/26 12:38
S131	0	(358/496/494)or(250/239)and (Sliding slide slider guide guiding) with (screw thread threaded threading) and (@ad<"20020901")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/30 09:28
S132	90	(358/494-496 250/239).ccls. and (Sliding slide slider guide guiding) with (screw thread threaded threading) and (@ad<"20020901")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:30
S133	116	(358/494-497 250/239).ccls. and (Sliding slide slider guide guiding) with (screw thread threaded threading) and (@ad<"20020901")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 11:30
S134	82	(358/494-497 250/239).ccls. and (spacer spacing Sliding slide slider guide guiding) near5 (screw thread threaded threading) and (@ad<"20020901")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 09:40
S135	13	(358/494-497 250/239).ccls. and (spacer spacing Sliding slide slider guide guiding) with (screw thread threaded threading) with (adjust adjusting adjusted) and (@ad<"20020901")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 09:41
S136	13	(358/494-497 250/239).ccls. and (spacer spacing Sliding slide slider guide guiding) with (screw thread threaded threading bolt nut) with (adjust adjusting adjusted) and (@ad<"20020901")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 09:43
S137	31	(358/494-497 250/239).ccls. and (spacer spacing Sliding slide slider guide guiding) same (screw thread threaded threading bolt nut) with (adjust adjusting adjusted) and (@ad<"20020901")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 10:33

S138	0	(358/494-497 250/239).ocls. and (spacer spacing Sliding slide slider guide guiding) same (screw thread threaded threading bolt nut) with (adjust adjusting adjusted) and (plastically same deformed)and (@ad<"20020901")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 10:34
S139	50	(deform deformed deforming deformation) near4 (plastic plastically) with (screw thread threading) with (contact connection) with (area surface) and(@ad<"20020901")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/31 05:50
S140	62	(deform deformed deforming deformation) near4 (plastic plastically) with (screw thread threading) with (contact connection) with ((area surface) (sliding member)) and (@ad<"20020901")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/30 15:53
S141	0	(10/671725).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/30 15:54
S142	1	10/671725	US-PGPUB; USPAT	ADJ	ON	2007/07/30 15:54
S143	0	"10671725"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 14:40
S144	14	"671725"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 14:40
S145	12011	(scan or scanning scanner)adj3 (unit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 14:58
S146	2964	(S145)and((scre\$3)or(scre\$3 adj3 hole))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:00
S147	80	(S145)and((scre\$3)and(scre\$3 adj3 hole))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:00

S148	9	(S147)and("358"/\$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:01
S149	778	(S145)and((screw\$3)or(screw \$3 adj3 hole))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:03
S150	67	(S149)and("358"/\$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:04
S151	0	(S150)and (plastica\$3 adj3 deform\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:05
S152	3	(S145)and((scre\$3)and(sliding adj2 member))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:08
S153	81850	(Image adj3 (reader or reading))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:10
S154	2981	(Image adj3 (reader or reading))and((scan or scanning or scanned)adj2 Unit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:10
S155	44	(S154) and(flatbed adj3 scanner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:11
S156	12	(S155)and(screw or screwed or screwing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:12

S157	497	((flatbed adj3 (scan or scanning or scanned)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:15
S158	34	((S157)and(skew\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:15
S159	16	((S158)and(("358"/.ccls.))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:16
S160	11689	((Screw adj3 fasten))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:19
S161	20	((S160)and(("358"/.ccls.))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:20
S162	20	((S160)and(("358"/\$.ccls.))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:20
S163	20	((S162)and(screw or screwing or screwed))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:21
S164	2	("6053653".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:30
S165	317	((355/67.ccls.)and (screw))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:43

S166	135	(355/67.ccls.)and (screw and hole)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:43
S167	8	(S166)and (Fasten)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:44
S168	1218	((403/343).ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:47
S169	23	((403/343).ccls.)and(screw and fasten)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/05 15:47
S170	149	(optical with scanner)and (sliding adj3 member)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/11 12:40
S171	19	((optical with scanner)and (sliding adj3 member))and (358/474,497,496.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/11 12:44
S172	11	((((optical with scanner)and (sliding adj3 member))and (358/474,497,496.ccls.))and (@ad<="20021001")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/11 12:45
S173	1	(S172)and(screw with(section or portion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/11 12:46
S174	1	(S172)and(screw same(section or portion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/11 12:55

S175	4	((S172)and(screw))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/11 12:56
S176	0	((Flatbed)with(scanner or scanning or scanned))same (((sliding or slid) with member)) with (Screw with (portion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/11 13:03
S177	3208	((Flatbed)with(scanner or scanning or scanned))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/11 13:03
S178	3818	(358/474.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 13:15
S179	3	(358/474.ccls.)and((adjusting or adjusted)with(optical or scanner or scanning))adj3 (means or section)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 13:17
S180	3	(358/497.ccls.)and((adjusting or adjusted)with(optical or scanner or scanning))adj3 (means or section)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 13:20
S181	16	("358"/\$.ccls.)and((adjusting or adjusted)with(optical or scanner or scanning))adj3 (means or section)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 13:22
S182	10	((("358"/\$.ccls.)and((adjusting or adjusted)with(optical or scanner or scanning))adj3 (means or section))and (@ad<="20020929")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 13:23
S183	1289	((adjust or adjusting or adjusted)with(position or level) with(optical adj3 unit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 13:30



S184	155	((adjust or adjusting or adjusted)with(position or level)with(optical adj3 unit))and ((scanning or scanned or scanner or reading or read)adj2 (unit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 13:32
S185	75	((adjust or adjusting or adjusted)with(position or level)with(optical adj3 unit))and ((scanning or scanned or scanner or reading or read)adj2 (unit)))and(@ad<="20021001")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 13:33
S186	41	((adjust or adjusting or adjusted)with(position or level)with(optical adj3 unit))and ((scanning or scanned or scanner or reading or read)adj2 (unit)))and (@ad<="20021001"))and (screw or screwing or screwed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 13:34
S187	0	((adjust or adjusting or adjusted)with(position or level)with(optical adj3 unit))and ((scanning or scanned or scanner or reading or read)adj2 (unit)))and (@ad<="20021001"))and (screw or screwing or screwed)) same((contact adj3 member) with(screws))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 13:35
S188	0	((adjust or adjusting or adjusted)with(position or level)with(optical adj3 unit))and ((scanning or scanned or scanner or reading or read)adj2 (unit)))and (@ad<="20021001"))and (screw or screwing or screwed)) same(((contact or sliding)adj3 member)with(screws))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 13:36
S189	0	((adjust or adjusting or adjusted)with(position or level)with(optical adj3 unit))and ((scanning or scanned or scanner or reading or read)adj2 (unit)))and (@ad<="20021001"))and (screw or screwing or screwed)) same(((contact or sliding)adj7 member)with(screws))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 13:37

S190	0	(((((adjust or adjusting or adjusted)with(position or level) with(optical adj3 unit))and ((scanning or scanned or scanner or reading or read)adj2 (unit)))and (@ad<="20021001"))and (screw or screwing or screwed)) same(((contact or sliding)adj member)with(screw))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 13:38
S191	0	(((((adjust or adjusting or adjusted)with(position or level) with(optical adj3 unit))and ((scanning or scanned or scanner or reading or read)adj2 (unit)))and (@ad<="20021001"))and (screw or screwing or screwed)) same(((contact or sliding)adj member)with(screw or screwed or screwing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 13:39
S192	41	(((((adjust or adjusting or adjusted)with(position or level) with(optical adj3 unit))and ((scanning or scanned or scanner or reading or read)adj2 (unit)))and (@ad<="20021001"))and (screw or screwing or screwed))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 13:40
S193	0	(((((adjust or adjusting or adjusted)with(position or level) with(optical adj3 unit))and ((scanning or scanned or scanner or reading or read)adj2 (unit)))and (@ad<="20021001"))and (screw or screwing or screwed)) and((contact adj3 member)with (screw or screwed or screwing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 13:41
S194	1	(Scan or scanner or scanning) and (contact with means)with (screws or screwed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 13:42
S195	19	((adjust or adjusting or adjusted)with(position or level) with(optical adj3 unit))and (355/67.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 14:57

S196	3	((adjust or adjusting or adjusted)with(position or level)with(optical adj3 unit))and (358/496.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 14:57
S197	0	((adjust or adjusting or adjusted)with(position or level)with(optical adj3 unit))and (29/525.1.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 14:57
S198	0	((adjust or adjusting or adjusted)with(position or level)with(optical adj3 unit))and (29/525.11.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 14:58
S199	0	((adjust or adjusting or adjusted)with(position or level)with(optical adj3 unit))and (27/10.03.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 14:58
S200	1	((adjust or adjusting or adjusted)with(position or level)with(optical adj3 unit))and (358/482.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 14:58
S201	0	((adjust or adjusting or adjusted)with(position or level)with(optical adj3 unit))and (347/171.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 14:58
S202	0	((adjust or adjusting or adjusted)with(position or level)with(optical adj3 unit))and (382/135.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/07/16 14:58
S203	32	((AYUMU) near2 (MURAKAMI)). INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/08 10:39
S204	20	((AYUMU) near2 (MURAKAMI)). INV.and(screw with portion)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/08 10:42
S205	1	((AYUMU) near2 (MURAKAMI)). INV.and(screw adj3 portion)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/08 10:42
S206	20	((AYUMU) near2 (MURAKAMI)). INV.and(screw adj9 portion)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/08 10:42
S207	2844	(sliding adj4 member)and (screw adj4 portion)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/08 11:19
S208	4	((sliding adj4 member)and (screw adj4 portion))and("358"/ \$.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/08 11:20

S209	0	(sliding adj4 member)and (358/451.cds.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/08 11:38
S210	21	(sliding and member)and (358/451.cds.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/08 11:38
S211	19	(sliding and member)and (358/518.cds.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/08 11:38
S212	82	(sliding and member)and (358/496.cds.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/08 11:38
S213	220	(sliding and member)and (358/474.cds.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/08 11:38
S214	13	(sliding and member)and (358/482.cds.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/08 11:39
S215	25	(sliding and member)and (399/118.cds.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/08 11:39
S216	56	(sliding and member)and (403/282.cds.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/08 11:39
S217	63	(sliding and member)and (606/308.cds.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/08 11:39
S218	6	(sliding and member)and (382/135.cds.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/08 11:39
S219	1	("6628431")and(screw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 08:10
S220	1	("20040105133")and(screws adj5 optical)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 08:35
S221	35	((AYUMU) near2 (MURAKAMI)). INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/17 09:08
S222	1	((((AYUMU) near2 (MURAKAMI)). INV.)and(optical with screw)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/17 09:11
S223	13084	(optical with screw)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/17 09:11
S224	74	(optical with screw)and (358/474.cds.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/17 09:12
S225	41	(S224)and(scan\$4)with(screw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/17 09:13
S226	16	((AYUMU) near2 (MURAKAMI)). INV.	USPAT; USOCR	ADJ	ON	2009/11/02 16:53

S227	4371	(scanner)with(adjustment)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/02 16:54
S228	786	((scanner)with(adjustment))and (screw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/02 16:55
S229	0	((flatbed adj4 scanner)with (adjustment))and(screw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/02 16:56
S230	0	((flatbed adj9 scanner)with (adjustment))and(screw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/02 16:56
S231	0	((flatbed adj9 scanning)with (adjustment))and(screw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/02 16:56
S232	0	((flatbed adj4 scanning)with (adjustment))and(screw)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/02 16:56

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